Wave Motion 17 (1993) 393–394
Elsevier

Contents of Volume 17

Vol. 17, No. 1

T. Miloh, M. Prestin, L. Shtilman and M.P. Tulin
A note on the numerical and *N*-soliton solutions of the Benjamin–Ono evolution equation 1
R.E. Meyer, J.C. Strikwerda and J.-M. Vanden-Broeck
Notes on wave attenuation on beaches 11
M. İdemen and İ. Akduman
On inverse scattering problems related to cylindrical bodies with unknown orientations 33
Q.-H. Tran and A. Bamberger
Propagation and attenuation of a Ricker pulse in one-dimensional randomly heterogenous media: a numerical study 49
D.S. Drumheller
Time-domain computations of one-dimensional elastic waves in liquids, solids and ferroelectric ceramics 63
D. Müller
Dispersive shallow waters 89

Vol. 17, No. 2

L.M.B.C. Campos
Exact and approximate methods for Alfvén waves in dissipative atmospheres 101
P.J. Aston
Understanding the global solutions of the capillary-gravity wave problem 113
J.A. DeSanto
k-space properties of classical single- and double-layer potentials and their derivatives 143
C.-C. Ma and S.-K. Chen
Exact transient analysis of an anti-plane semi-infinite crack subjected to dynamic body forces 161
Q. Zhang, E.V. Jull, G.R. Mellema and M.J. Yedlin
Pulse diffraction by a curved half plane 173
J. Tromp
Uniformly valid asymptotic wave propagation based upon variational principles 185
Publisher's note 197

Vol. 17, No. 3

J.D. Kaplunov and D.G. Markushevich
Plane vibrations and radiation of an elastic layer lying on a liquid half-space 199
F. Bampi and C. Zordan
Discontinuity waves cannot describe evanescent waves 213
M.P. Coleman and H. Wang
Analysis of vibration spectrum of a Timoshenko beam with boundary damping by the wave method 223
S. He, Y. Hu and S. Ström
Time domain Green functions technique for a point source over a dissipative stratified half-space with a phase velocity mismatch at the surface 241
I.A. Molotkov and S.A. Vakulenko
Autowave propagation for general reaction diffusion systems 255
P.G. Chamberlain
Wave scattering over uneven depth using the mid-slope equation 267

B. Gurevich, A. Jeffrey and E.N. Pelinovsky
A method for obtaining evolution equations for nonlinear waves in a random medium 287
Announcement 297
Publisher's note 298

Vol. 17, No. 4

H. Takenaka, B.L.N. Kennett and K. Koketsu
The integral operator representation of propagation invariants for elastic waves in irregularly layered media 299
D.S. Drumheller
Coupled extensional and bending motion in elastic waveguides 319
J.-F. Allard, B. Brouard, D. Lafarge and W. Lauriks
Reciprocity and antireciprocity in sound transmission through layered materials including elastic and porous media 329
V.A. Baranov and A.V. Popov
Generalization of the parabolic equation for EM waves in a dielectric layer of nonuniform thickness 337
R.L. Ochs Jr. and C.R. Vogel
The optimization of dissipation in dispersive dielectric slabs 349
S. Blume, L. Klinkenbusch and U. Uschkerat
The radar cross section of the semi-infinite elliptic cone 365
Author Index of Volume 17 391
Contents of Volume 17 393
Publisher's note 395